

CLAIMS

1. An apparatus for preparing dialysis liquid, comprising:

5 a container holder for holding a container in the inverted state, the container having a tubular body portion which defines an internal volume for accommodating powder preparation for preparing a dialysis liquid, a bottom wall defined at an end of the tubular body portion, and a sealing member for closing an outlet opening defined at the end of the tubular body portion  
10 opposite to the bottom wall;

a cutter, movable toward and away from the sealing member, for cutting the sealing member;

15 a concentrated liquid tank provided under the container holding means;

a mesh member, horizontally disposed above the tank, for receiving the powder preparation which has fallen from the container;

20 a nozzle, for applying water to the powder preparation for preparing dialysis liquid which has fallen on the mesh member from the container after the sealing member is cut by the cutter; and

25 the water being applied, to the powder preparation for preparing dialysis liquid dropped on the mesh member, to produce a concentrated liquid for the dialysis liquid, which is received in the concentrated liquid tank, and the concentrated liquid being diluted with a diluting water as it supplied to the dialyzer.

30 2. An apparatus for preparing dialysis liquid according to claim 1, wherein the size of the mesh member is 20 - 150 $\mu$ m; and

35 the cutter, including a cylindrical body and a cutting edge provided on the end thereof for cutting the sealing member of the container along the periphery of the outlet opening.

3. An apparatus for preparing dialysis liquid according to claim 1 or 2, wherein the water is supplied

to an amount providing a concentration, of the solution, which is  $6/7$  to  $1/7$  of the saturated concentration of the powder preparation for preparing the dialysis liquid.

5        4.    An apparatus for preparing dialysis liquid according to one of the preceding claims, further comprising a RO water source for producing RO water; and the RO water, produced by the RO water source, being applied to the powder preparation for preparing dialysis liquid dropped on the mesh member.

10       5.    An apparatus for preparing dialysis liquid according to one of the preceding claims, wherein the diluting water is the RO water produced by the RO water source.

15       6.    An apparatus for preparing dialysis liquid according to one of the preceding claims, further comprising a liquid preparation diluting apparatus for diluting the liquid preparation for preparing dialysis liquid and for supplying the diluted solution to the dialyzer.